

Name: _____

Date: _____

FOIL and Factor solution (version 105)

FOIL the expressions shown below:

1. $(x + 8)(x - 8)$

$$x^2 - 64$$

2. $(x - 8)(x - 9)$

$$x^2 - 17x + 72$$

3. $(x - 2)(x + 3)$

$$x^2 + x - 6$$

4. $(x + 5)(x + 6)$

$$x^2 + 11x + 30$$

5. $(x - 1)(x + 4)$

$$x^2 + 3x - 4$$

Factor the expressions shown below:

6. $x^2 - 25$

$$(x - 5)(x + 5)$$

7. $x^2 - 8x + 15$

$$(x - 5)(x - 3)$$

8. $x^2 + 3x - 10$

$$(x - 2)(x + 5)$$

9. $x^2 + 3x - 28$

$$(x + 7)(x - 4)$$

10. $x^2 + 4x + 3$

$$(x + 1)(x + 3)$$